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Nota di contenuto	Invited Presentations -- The Grand Challenge in Information Technology and the Illusion of Validity -- Metadata and Cooperative Knowledge Management -- Ontology-Driven Conceptual Modeling -- Metadata and Cooperative Knowledge Management -- Web Component: A Substrate for Web Service Reuse and Composition -- Developing Web Applications -- Designing Web-Based Systems in Social Context: A Goal and Scenario Based Approach -- A State Machine Based Approach for a Process Driven Development of Web-Applications -- Knowledge Management -- Supporting Dimension Updates in an OLAP Server -- The COMET Metamodel for Temporal Data Warehouses -- Exploring RDF for Expertise Matching within an Organizational Memory -- Deployment Issues -- Describing and Communicating Software Architecture in Practice: Observations on Stakeholders and Rationale -- The Individual Deployment of Systems Development Methodologies -- Supporting the Deployment of Object-Oriented Frameworks -- Semantics of Information -- A Conceptual Modeling Approach to Semantic Document Retrieval -- Multidimensional Semistructured Data: Representing Context-Dependent Information on the Web -- The Role of Semantic Relevance in Dynamic User Community Management and the Formulation of Recommendations -- System Qualities -- Can We Ever Build Survivable Systems from COTS Components? -- Towards a Data Model for Quality Management Web

Services: An Ontology of Measurement for Enterprise Modeling -- A Modelling Approach to the Realisation of Modular Information Spaces -- Integration Issues -- Data Integration under Integrity Constraints -- Babel: An XML-Based Application Integration Framework -- Integrating and Rapid-Prototyping UML Structural and Behavioural Diagrams Using Rewriting Logic -- Analysis and Adaptation -- Verification of Payment Protocols via MultiAgent Model Checking -- SNet: A Modeling and Simulation Environment for Agent Networks Based on i\* and ConGolog -- Usage—Centric Adaptation of Dynamic E—Catalogs -- Retrieval and Performance -- Reengineering of Database Applications to EJB Based Architecture -- Efficient Similarity Search for Time Series Data Based on the Minimum Distance -- A High-Performance Data Structure for Mobile Information Systems -- Requirements Issues -- External Requirements Validation for Component-Based Systems -- Using Business Rules in Extreme Requirements -- Evaluating CM3: Problem Management -- Schema Matching and Evolution -- Database Schema Matching Using Machine Learning with Feature Selection -- Evolving Partitions in Conceptual Schemas in the UML -- Schema Evolution in Heterogeneous Database Architectures, A Schema Transformation Approach -- Workflows -- Serviceflow Beyond Workflow? Concepts and Architectures for Supporting Inter-Organizational Service Processes -- Design for Change: Evolving Workflow Specifications in ULTRAflow -- An Alternative Way to Analyze Workflow Graphs -- Semantics and Logical Representations -- Auditing Interval-Based Inference -- A Logical Foundation for XML -- Providing the Semantic Layer for WIS Design -- Understanding and Using Methods -- Towards a Framework for Comparing Process Modelling Languages -- Generic Models for Engineering Methods of Diverse Domains -- Role of Model Transformation in Method Engineering -- Modeling Objects and Relationships -- A Generic Role Model for Dynamic Objects -- Understanding Redundancy in UML Models for Object-Oriented Analysis -- Representation of Generic Relationship Types in Conceptual Modeling -- Short Papers -- Building Spatio-Temporal Presentations Warehouses from Heterogeneous Multimedia Web Servers -- A Practical Agent-Based Method to Extract Semantic Information from the Web -- Process Inheritance -- Addressing Performance Requirements Using a Goal and Scenario-Oriented Approach -- Querying Data with Multiple Temporal Dimensions -- Query Explorativeness for Integrated Search in Heterogeneous Data Sources -- Using Nested Tables for Representing and Querying Semistructured Web Data -- Defining and Validating Measures for Conceptual Data Model Quality -- An Architecture for Building Multi-device Thin-Client Web User Interfaces -- A Framework for Tool—Independent Modeling of Data Acquisition Processes for Data Warehousing -- Managing Complexity of Designing Routing Protocols Using a Middleware Approach -- Deferred Incremental Refresh of XML Materialized Views -- Requirements for Hypermedia Development Methods: A Survey of Outstanding Methods -- An Approach for Synergically Carrying out Intensional and Extensional Integration of Data Sources Having Different Formats -- DSQL — An SQL for Structured Documents Extended Abstract -- A Comparative Study of Ontology Languages and Tools -- Life Cycle Based Approach for Knowledge Management: A Knowledge Organization Case Study -- Parallel Query Processing Algorithms for Semi-structured Data -- Domain-Specific Instance Models in UML -- Extended Faceted Ontologies -- On the Logical Modeling of ETL Processes -- Intelligent Agent Supported Flexible Workflow Monitoring System -- A Meeting Scheduling System Based on Open Constraint Programming.

growing demand for information systems, and ever-growing challenges for Information Systems Engineering. The series of Conferences on Advanced Information Systems Engineering (CAiSE) was launched in Scandinavia by Janis Bubenko and Arne Solberg in 1989, became an important European conference, and was held annually in major European sites throughout the 1990s. Now, in its 14th year, CAiSE was held for the first time outside Europe, showcasing international research on information systems and their engineering. Not surprisingly, this year the conference enjoyed unprecedented attention. In total, the conference received 173 paper submissions, the highest number ever for a CAiSE conference. Of those, 42 were accepted as regular papers and 26 as short (poster) papers. In addition, the conference received 12 proposals for workshops of which 8 were approved, while 4 tutorials were selected from 15 submissions. The technical program was put together by an international committee of 81 experts. In total, 505 reviews were submitted, with every member of the committee contributing.

Decisions on all submissions were reached at a program committee meeting in Toronto on January 26-27, 2002. Workshop and tutorial proposals were handled separately by committees chaired by Patrick Martin (workshops), and Jarek Gryz and Richard Paige (tutorials). We wish to extend a great "THANK YOU!" to all members of the program and organizing committees for their volunteer contributions of time and expertise. The fact that so many busy (and famous!) people took the trouble to help us with the organization of this conference and the formation of its technical program speaks well for the future of CAiSE and the field of Information Systems Engineering.

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